

Serial No. 10/706,292
Amdt. dated October 2, 2006
Reply to Office Action of July 3, 2006

Docket No. K-0547

Amendments to the Specification

Please replace paragraph [0019] with the following amended paragraph:

[0019] FIG. 2 illustrates the feedback control unit 350 shown in FIG. 1 in detail. According to FIG. 2, the feedback control unit 350 includes a printed circuit board (PCB) pattern or ~~able~~ patterned conductor provided close (not directly coupled) to the high voltage generator 330 or CCFL unit 100. When the high voltage generator 330 outputs a high voltage to the CCFL unit 100, a corresponding voltage is induced through the PCB pattern. Since the induced voltage is less than the high voltage, the control circuit may not be damaged even when the high voltage generated by the high-voltage generator 330 is extremely high. The feedback control unit 350 further includes a first capacitor C1 which performs alternating current (AC) coupling on the induced voltage generated through the PCB pattern, and an integration circuit 351 for converting the AC-coupled voltage to a DC voltage by integrating the AC-coupled voltage. The integration circuit 351 may include a resistor R1 and a second capacitor C2 as shown in FIG. 2. In addition, the feedback control unit 350 may further include a diode D1 outputting the converted DC voltage, and a zener diode ZD1 which cuts off the DC voltage being outputted from the diode D1 if it is higher than the breakdown voltage (or zener voltage) of the zener diode ZD1. Furthermore, the feedback control unit 350 may include a power supply control circuit 352 that determines an abnormality of the voltage (e.g., voltage surge) generated by the high voltage generator 330 by analyzing the induced DC voltage outputted from the diode D1. If the power

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supply control circuit 352 determines such abnormality, it interrupts the operation of the power supply unit 310 shown in FIG. 1 and cuts off the power being supplied to the DC/DC converter 320. The power supply control circuit 352 may be provided external to the power supply unit 310 as shown in FIG. 2, or alternatively, it may be integrated within the power supply unit 310. In the latter case, the power supply control circuit 352 may be a switching mode power supply (SMPS) control circuit